

CLAIMS

We claim

1. A package including a three layer film, said film comprising:
- 5 a) a seal layer, said seal layer being an ethylene, propylene, butene terpolymer, said seal layer making up in the range of from 15-60 weight % of said film, based on the total weight of said film, said seal layer having a thickness in the range of from 5.5-10 μm , said seal layer including:
- 10 a particulate poly methyl methacrylate (PMMA), present in said seal layer in the range of from 500-10,000 ppm, based on the total weight of the seal layer, said particulate PMMA having a mean particle size in the range of from 10-20 μm , with the proviso that the particulate PMMA size is $> 20\%$ of the thickness of the seal layer;
- 15 b) a core layer, said core layer being an isotactic polypropylene (iPP), said core layer present in said film in the range of from 30-50 weight %, based on the total weight of said film, said core layer having a first and a second surface, said seal layer being contiguous to said first surface of said core layer; and
- 20 c) a metallizable layer, contiguous to the second surface of said core layer, said metallizable layer being a high density polyethylene (HDPE), said metallizable layer making up in the range of from 15-35 weight percent of the total film, said metallizable layer being
- 25 present in said film in the range of from 1.5-12 μm .
2. The package of claim 1, wherein said film is biaxially oriented.
3. The package of claim 2, wherein said metallizable layer is treated with one of corona, flame or polarized flame and metallized.
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4. The package of claim 3, wherein said seal layer is present in said film at a thickness in the range of from 3-20 μ m, said PMMA is present in said seal layer in the range of from 1200-8000 ppm, said core layer has a thickness of 5-18 μ m, said metallizable layer has a thickness in the range of from 2.5-10 μ m, and the particulate PMMA size is > 40 % of the thickness of the seal layer.
5. The package of claim 5, wherein said seal layer is present at a thickness in the range of from 5-10 μ m, said PMMA is present in said seal layer in the range of from 1500-6000 ppm, said core layer has a thickness in the range of from 5-15 μ m, wherein said particulate PMMA size is > 50 % of the thickness of the seal layer.
6. A snack package, said package including a biaxially oriented metallized multi-layer film, said film comprising:
- a) a core layer having a first and a second surface, said core layer having a first and a second surface, said core layer having a thickness in the range of from 5-15 μ m, said core layer being iPP;
 - b) a seal layer contiguous to said first surface of said core layer, said seal layer having a thickness in the range of from 3-20 μ m, said seal layer including a particulate PMMA, present in said seal layer in the range of from 1500-4000 ppm, based on the total weight of the seal layer, said PMMA size being > 50% of the thickness of the seal layer; and
 - c) a metallizable layer, said metallizable layer being HDPE, having a thickness in the range of from 2.5-10 μ m, said metallizable layer being contiguous to said second surface of said core layer, wherein said c) is treated on its outermost surface by one of corona, flame, or polarized flame, and then metallized.
7. A biaxially oriented, multilayer film, comprising:

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- 5 a) a polypropylene core layer, said core layer having a thickness in the range of from 3-20 μm , said core layer having a first and a second surface;
- 10 b) a first skin layer contiguous to said first surface of said core layer, said first skin layer including a material selected from one of ethylene propylene butene terpolymer, ethylene propylene random copolymers (EP rcp), propylene butene copolymer (PB), low density polyethylene (LDPE), linear low density polyethylene (LLDPE), medium density polyethylene (MDPE), or combinations thereof ethylene propylene butene terpolymer and polymethyl methacrylate, (PMMA) said first skin layer having a thickness in the range of from 3-25 μm , and where in said PMMA has a mean particle size diameter at least 10 % greater than the thickness of said first skin layer; and
- 15 c) a second skin layer contiguous to said second surface of said core layer, said second skin layer including a material selected from one of high density polyethylene (HDPE), medium density polyethylene (MDPE), and combinations thereof, wherein said second skin layer has thickness in the range of from 1.5-12 μm .
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8. The biaxially oriented, multilayer film of claim 7, wherein said film, on an outermost surface of said first skin layer is treated by one of corona, flame or polarized flame, and where in said PMMA has a mean particle size diameter at least 15 % greater than the thickness of said first skin layer.
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9. The biaxially oriented, multilayer film of claim 8 where in said first skin layer is metallized, and where in said PMMA has a mean particle size diameter at least 20 % greater than the thickness of said first skin layer.
- 30 10. The biaxially oriented, multilayer film of claim 9, wherein said PMMA size is > 40% of the thickness of the first skin layer.

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11. The biaxially oriented, multilayer film of claim 10, wherein said sealant layer has a thickness in the range of from 3-20 μm , and where in said PMMA has a mean particle size diameter at least 50 % greater than the thickness of said first skin layer.
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12. The biaxially oriented, multilayer film of claim 11, wherein said PMMA is present in said seal layer in the range of from 1000-8000 ppm, based on the total weight of said second layer.
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13. The biaxially oriented, multilayer film of claim 12, wherein said PMMA is present in said seal layer in the range of from 1200-6000 ppm, based on the total weight of said film.
14. The biaxially oriented, multilayer film of claim 13, wherein said second skin layer is HDPE.
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